

IN THE CLAIMS

Claims 1-10 (Cancelled)

11. (New) An image compressing apparatus comprising:

a restart line interval setting register which stores a scanning line interval that represents a number of lines for inserting a restart marker which indicates an expansion starting point of compressed image data at an occurrence of a data error;

a horizontal level setting register which stores a number of horizontal pixels of said image data;

a restart interval calculation portion which calculates a restart interval based on said number of horizontal pixels stored in said horizontal level setting register and said scanning line interval stored in said restart line interval setting register; and

an image compression processing portion which compresses said image data after inserting said restart marker in a head of data corresponding to one scanning line of said image data based on said restart interval.

12. (New) The image compressing apparatus according to claim 11, wherein said image compression processing portion comprises:

a discrete cosine transformation portion which executes said discrete cosine transformation to said image data;

a quantization portion which quantizes data from said discrete cosine transformation portion;

a restart marker insertion portion which inserts said restart marker in data outputted from said quantization portion; and

an entropy compression portion which executes entropy compression of data in which said restart marker is inserted by said restart marker insertion portion.

13. (New) The image compressing apparatus according to claim 12, further comprising:

a marker preparation portion which prepares a restart interval marker showing an insertion position of said restart marker based on a value which specifies a restart interval from said restart interval calculation portion; and

a marker addition portion which adds the restart interval marker prepared by said marker preparation portion to compressed image data prepared by said image compression processing portion.

14. (New) An image compressing method comprising:

storing a number of horizontal pixels of image data;

storing a scanning line interval which represents a number of lines for inserting a restart marker which indicates an expansion starting point of compressed image data at an occurrence of data error;

calculating a restart interval based on said scanning line interval and the number of said horizontal pixels; and

compressing said image data after inserting said restart marker in a head of data corresponding to one scanning line of said image data based on said restart interval.

15. (New) The image compressing method according to claim 14, wherein said compressing comprises:

- executing a discrete cosine transformation to said image data;
- quantizing data to which said discrete cosine transformation is executed;
- inserting said restart marker in quantized data; and
- executing entropy compression to data in which said restart marker is inserted.

16. (New) The image compressing method according to claim 15, further comprising:

- preparing a restart interval marker showing an insertion position of said restart marker based on a value which specifies a restart interval; and
- adding the prepared restart interval marker to the compressed image data.